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# Product datasheet for RC204716L1V

## CH25H (NM_003956) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | CH25H (NM_003956) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | CH25H |
| **Synonyms:** | C25H |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-Myc-DDK (PS100064) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_003956 |
| **ORF Size:** | 816 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC204716). |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **RefSeq:** | NM_003956.2 |
| **RefSeq Size:** | 1378 bp |
| **RefSeq ORF:** | 819 bp |
| **Locus ID:** | 9023 |
| **UniProt ID:** | O95992 |
| **Cytogenetics:** | 10q23.31 |
| **Protein Families:** | Transmembrane |
| **Protein Pathways:** | Primary bile acid biosynthesis |

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**MW:** 31.7 kDa

**Gene Summary:** This is an intronless gene that is involved in cholesterol and lipid metabolism. The encoded protein is a membrane protein and contains clusters of histidine residues essential for catalytic activity. Unlike most other sterol hydroxylases, this enzyme is a member of a small family of enzymes that utilize diiron cofactors to catalyze the hydroxylation of hydrophobic substrates. [provided by RefSeq, Jul 2008]